

## Elimination of spurious signals with light barrier having two switched positions

**Patent number:** DE19848949

**Publication date:** 1999-05-12

**Inventor:** FAUTH SIEGFRIED DIPLO ING (DE)

**Applicant:** LEUZE ELECTRONIC GMBH & CO (DE)

**Classification:**

- **international:** G01V8/12; G01D5/244

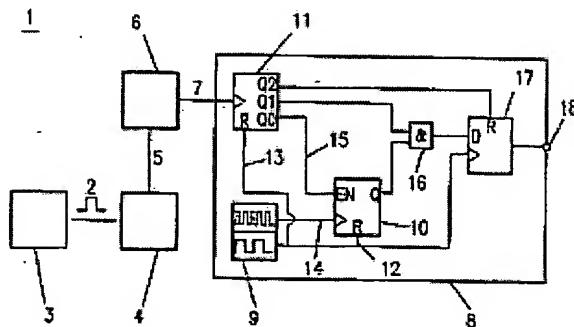
- **european:** G01V8/12, G01D5/244D

**Application number:** DE19981048949 19981023

**Priority number(s):** DE19981048949 19981023; DE19971047517 19971028

### Abstract of DE19848949

The method involves using transmitter emitting light pulse with pulse duration within cycle duration within cycle direction than transmitting pause and length of pause between 2 successive light pulses on receiver is compared. The method for the elimination of spurious signals, with a light barrier having two switching positions light path free and light path not free, with a cyclically operating transmitter and a receiver connected at an evaluation unit (8). The transmitter (3) within a cycle duration (T) emits a light pulse (2) with a pulse duration (Ts). So that a transmitting pause (Tp) follows. Respectively the length of the pause between two successive light pulses impinging on the receiver (4) is compared with the length of the transmitting pause (Tp). The light barrier (1) changes in the switched position light path free changes, in the event with a specified number of pauses respectively of which with a specified accuracy, corresponds with the length of the transmitting pause (Tp). The light barrier changes in the switching position light path not free, in the event during at least one cycle duration (T), no light pulse (2) would be recorded at the receiver (4).



Data supplied from the esp@cenet database - Worldwide